Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/24/2019 10:44 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124144	-1	1.81	124273	1.78
Blue	F	SSC	125000	123253	-2	1.55	124028	1.52
Blue	E	FITC	16433	15978	-3	2.82	347	19.98
Blue	D	PE	27595	27135	-2	2.03	593	14.37
Blue	B	PerCP-Cy5-5	43183	42059	-3	3.66	1133	19.99
Blue	A	PE-Cy7	31943	31821	-1	6.09	606	41.04
Red	C	APC	42819	42122	-2	2.35	1488	12.19
Red	A	APC-Cy7	31261	30270	-4	2.27	807	12.12
Violet	B	V450	6527	6274	-4	4.50	352	13.70
Violet	A	V500	24533	23484	-5	4.21	547	10.95

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17907	8.66	610	10	N/A	N/A	Pass
Blue	F	SSC	56119	1.19	552	4	N/A	N/A	Pass
Blue	E	FITC	65	62.06	539	0	0.0200	108	Pass
Blue	D	PE	122	49.42	536	2	0.1757	286	Pass
Blue	B	PerCP-Cy5-5	207	48.70	645	3	0.0093	40	Pass
Blue	A	PE-Cy7	114	97.54	695	6	0.0106	6	Pass
Red	C	APC	353	25.63	581	-2	0.0241	162	Pass
Red	A	APC-Cy7	177	28.05	560	-3	0.0052	438	Pass
Violet	B	V450	54	62.00	452	-3	0.0470	2089	Pass
Violet	A	V500	82	33.54	463	-4	0.0200	547	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.50	-31.71	0.99
Blue	20.36	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.51
Red	15.38	13.60 - 20.40	N/A	N/A	28.99	29.76	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 11101

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments